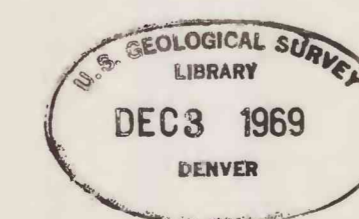


EXPLANATION

- Favorability boundary in areas underlain by ore-bearing sandstone
- Axis of fossil log, roll, or well-defined elongate ore body
- Approximate base of ore-bearing sandstone
- Approximate top of ore-bearing sandstone
- Block 26: Ground underlain by carnotite-bearing rock, projected to the inferred outer edges of mineralized layers, some of which overlap and are not connected between adjacent holes; includes reserve blocks where shown
- Area intensively drilled by mining companies, (Radium Co. of Colorado, 1921-1922 and U.S. Vanadium Co., 1950)
- Incline shaft and mine workings, (approximate outline)
- Mine shaft
- Mine dump (approximate outline)
- Privately controlled land (all other land within limits explored by drilling is controlled by U.S. Atomic Energy Commission)
- Land section corner approximately located
- Co-ordinate lines, based on U.S. Atomic Energy Commission co-ordinate system
- Diamond-drill holes, U.S. Geological Survey
Classification based on chemical assays and radiometric logs
Numbers on caps of standpipes left in holes all have prefix CA
- 56 Barren (contains no significant content of U_3O_8 and V_2O_5 by chemical assay, and registers no gamma-ray value as great as 0.05% eU_3O_8)
- 51 Weakly mineralized (contains less than 0.10% U_3O_8 and 1.0% V_2O_5 by chemical assay, or registers gamma-ray values within the range from 0.05% to 0.09% eU_3O_8 , or less than 1 foot thick, regardless of chemical or gamma-ray values)
- 135 Ore-bearing (contains 0.1% or more U_3O_8 or 1.0% or more V_2O_5 by chemical assay, or registers gamma-ray values greater than 0.09% eU_3O_8 , and 1 foot or more thick)
- Diamond-drill holes, U.S. Bureau of Mines
- 310 Barren
- 307 Weakly mineralized (less than 0.10% U_3O_8 and 1.0% V_2O_5 or less than 1 foot thick regardless of grade)
- 309 Ore-bearing (0.10% or more U_3O_8 , or 1.0% or more V_2O_5 , and 1 foot or more thick)
- Diamond-drill holes are located by plane-table or tape and compass methods

200 0 600 FEET
Contour interval 10 feet
Datum is mean sea level



U. S. Geological Survey
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This map or illustration is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

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Engineering by J. I. Schumacher

FIGURE 2.--MAP SHOWING LOCATION OF HOLES DRILLED BY U.S. GEOLOGICAL SURVEY IN THE NORTHERN PART OF THE CALAMITY GROUP AREA, GATEWAY DISTRICT, MESA COUNTY, COLORADO